EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|---------------------|---------|---------------------|
| L1 | 20 | (US-20020034880-\$ or US-20030141018-\$ or US-20040074516-\$ or US-20040250755-\$ or US-20040255854-\$ or US-20030036272-\$ or US-20030036272-\$ or US-20050279731-\$ or US-20040050325-\$ or US-20040050325-\$ or US-20050247331-\$).did. or (US-6007330-\$ or US-5575853-\$ or US-6918406-\$ or US-6938638-\$ or US-7182879-\$ or US-6689699-\$ or US-6689699-\$ or US-668909-\$ or US-6782907-\$).did. or (JP-09251981-\$).did. | US-PGPUB; USPAT; JPO | OR | ON | 22008/02/10 |
| L2 | 6502 | (wafer or substrate) and (return with (path or pipe)) and (reactor or chamber or vessel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 18:15 |
| L3 | 1237 | (wafer or substrate) and ((gas and return) with (path or pipe)) and (reactor or chamber or vessel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 18:16 |
| L4 | 883 | 3 and valve | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 18:16 |
| L5 | 111 | (Saito-Masashi.in. or Hirayama-Yusuke.in. or Sakai-Itsuko.in. or Ohiwa-Tokuhisa.in.) and (reactor or chamber) | US-PGPUB; USPAT; JPO | OR | ON | 2008/02/10 18:19 |
| L6 | 878 | 4 not 5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 18:25 |

| L7 | 9 | ("20020145711" "20030164929" "66665046" "6704088" "6734950" "6788392" "6961113" "6987554"). PN. OR ("7145629"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/10 18:42 |
|----|-----|--|---------------------------|----|----|---------------------|
| L8 | 12 | "20020094306" "20030151728" "4704348" "4786947" "5696623" "6335787" "6545746" "6616898" "6700641" "6707529"). PN. OR ("6987554"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/10 18:47 |
| L9 | w26 | (US-20020034880-\$ or US-20030141018-\$ or US-20040074516-\$ or US-20040250755-\$ or US-20040255854-\$ or US-20030036272-\$ or US-20030036272-\$ or US-20050279731-\$ or US-20030198754-\$ or US-20040050325-\$ or US-20040050325-\$ or US-20020134429-\$).did. or (US-6007330-\$ or US-5575853-\$ or US-6918406-\$ or US-6938638-\$ or US-7182879-\$ or US-6863019-\$ or US-6863019-\$ or US-6863019-\$ or US-6782907-\$ or US-7283199-\$ or US-5549798-\$).did. or (JP-09251981-\$).did. | US-PGPUB; USPAT; JPO | OR | ON | 2008/02/10 |

| L10 | 25 | ("20030029566" "3867216" "4336414" "5028556" "5417742" "5688405" "5693179" "5708556" "5785741" "5812403" "5818018" "5949076" "5964949" "5997737" "6032484" "6045618" "6187072" "6193802" "6194628" "6206970" "6332925" "6334928" "6383301"). PN. OR ("6863019"). URPN. | US-PGPUB; USPAT; USOCR | MATERIAL PROPERTY OF THE PROPE | | 2008/02/10 21:16 |
|-----|-----|--|--|--|----|---------------------|
| L11 | 971 | (wafer or substrate) and (recirculat\$3 with (path or pipe)) and (reactor or chamber or vessel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 21:17 |
| L12 | 895 | 11 not 6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 21:18 |
| L13 | 545 | 12 and valve | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 21:18 |
| L14 | 501 | 13 not blood | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 22:07 |
| L15 | 501 | 14 not hemoglobin | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 22:08 |
| L16 | 658 | HORIUCHI-TAKAO.in. or HORIUCHI-AZUMI. in. or GAMINO- HIROAKI.in. or NIIMURA-YASUHIRO. in. or HATTORI- HIROSHI.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 22:41 |
| L17 | 53 | 16 and (wafer or substrate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 22:41 |

| S31 | 29533 | (118/715.ccls. or | US-PGPUB; | OR | ON | 2005/05/30 |
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| | | 118/728.ccls. or 118/50. | USPAT; EPO; | anna | | 20:47 |
| | | cels. or 156/345.29.cels. | JPO; DERWENT; | | | |
| | | or 156/345.33.ccls. or | IBM TDB | | | |
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| | | 137/454.2 or 137/560. | | 1 | | *************************************** |
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| | | ccls. or 261/114.1.ccls.) | | | | |
| S34 | 7874 | 137/262-264.ccls. or | US-PGPUB; | OR | ON | 2005/06/21 |
| | | 137/454.2 or 137/560. | USPAT; EPO; | | | 14:03 |
| | | ccls. or 137/561r.ccls. or | JPO; DERWENT; | | | |
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| S35 | 2413 | 141/285-286.ccls. or | US-PGPUB; | OR | ON | 2005/06/21 |
| | | 141/37.ccls. or 141/44- | USPAT; EPO; | · · · · · · · · · · · · · · · · · · · | | 14:03 |
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| | | or 141/301-302.ccls. or | IBM_TDB | | | |
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| S36 | 471 | 261/127.ccls. or 261/131. ccls. or 261/146-147. ccls. or 261/150.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
|-------------|-------|--|--|----|----|---------------------|
| S 37 | 2607 | 261/19-22.ccls. or 261/23.1.ccls. or 261/40. ccls. or 261/42.ccls. or 261/62-63.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S38 | 7161 | 261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108- 109.ccls. or 261/113. ccls. or 261/114.1.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
| \$39 | 29603 | (118/715.ccls. or 118/50. ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/561a.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/599.05-599.07.ccls. or 137/599.05-599.07.ccls. or 137/602. ccls.) or (141/285-286. ccls.) or (141/37.ccls. or 141/34-47.ccls. or 141/367. ccls.) or (261/127.ccls. or 261/131.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls.) or (261/19-22.ccls.) or (261/19-26.ccls.) or (261/19-26.ccls.) or (261/19-26.ccls.) or (261/19-26.ccls.) or (261/105.ccls.) or (261/105.ccls.) or 261/105.ccls. or 261/108-109.ccls. or 261/113. ccls. or 261/113. ccls. or 261/114.1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | | 2005/06/21 14:03 |

| S40 | 2013 | (118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
|-----|------|--|--|----|----|---------------------|
| S41 | 9736 | 118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S42 | 7874 | 137/262-264.ccls. or 137/454.2 or 137/560. ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594- 596.ccls. or 137/599.01. ccls. or 137/599.05- 599.07.ccls. or 137/602. ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S43 | 2413 | 141/285-286.ccls. or 141/37.ccls. or 141/44- 47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S44 | 471 | 261/127.ccls. or 261/131. ccls. or 261/146-147. ccls. or 261/150.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S45 | 2607 | 261/19-22.ccls. or 261/23.1.ccls. or 261/40. ccls. or 261/42.ccls. or 261/62-63.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |
| S46 | 7161 | 261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108- 109.ccls. or 261/113. ccls. or 261/114.1.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/21 14:03 |

| S47 | 29603 | (118/715.ccls. or | US-PGPUB; | OR | ON | 2005/06/21 |
|-----|---|----------------------------|---------------|---|---|------------|
| ., | 27003 | 118/728.ccls. or 118/50. | USPAT; EPO; | | | 14:03 |
| | | ccls. or 156/345.29.ccls. | JPO; DERWENT; | | | 11.05 |
| | | or 156/345.33.ccls. or | IBM_TDB | | *************************************** | |
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| S48 | 31053 | S40 or S47 | US-PGPUB; | OR | ON | 2005/06/21 |
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| S49 | 31880 | (118/715.ccls. or | US-PGPUB; | OR | ON | 2008/02/10 |
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| | | 118/728.ccls. or 118/50. | USPAT; EPO; | *************************************** | | 14:59 |
| | | ccls. or 156/345.29.ccls. | JPO; DERWENT; | | | |
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| S50 | 8171 | 137/262-264.ccls. or | US-PGPUB; | OR | ON | 2008/02/10 |
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| 551 | 2621 | 141/285-286.ccls. or | US-PGPUB; | OR | ON | 2008/02/10 |
| | unun | 141/37.ccls. or 141/44- | USPAT; EPO; | · · · · · · · · · · · · · · · · · · · | | 14:59 |
| | umm | 47.ccls. or 141/54.ccls. | JPO; DERWENT; | ······ | | |
| | | or 141/301-302.ccls. or | IBM_TDB | | | |
| | | 141/367.ccls. | | | | |
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| S52 | 498 | 261/127.ccls. or 261/131. ccls. or 261/146-147. ccls. or 261/150.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
|-------------|-------|---|--|----|----|---------------------|
| S 53 | 2655 | 261/19-22.ccls. or 261/23.1.ccls. or 261/40. ccls. or 261/42.ccls. or 261/62-63.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S54 | 7368 | 261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108- 109.ccls. or 261/113. ccls. or 261/114.1.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S55 | 31880 | (118/715.ccls. or 118/50. ccls. or 156/345.29.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/561a.ccls. or 137/561a.ccls. or 137/590.ccls. or 137/599.01. ccls. or 137/599.05-599.07.ccls. or 137/599.05-599.07.ccls. or 137/602. ccls.) or (141/285-286. ccls. or 141/37.ccls. or 141/34-47.ccls. or 141/367. ccls.) or (261/127.ccls.) or (261/127.ccls.) or (261/127.ccls.) or (261/128.) or (261/127.ccls.) or (261/128.) or (261/129.2ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | | 2008/02/10 14:59 |

| S56 | 2417 | (118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
|-----|-------|--|--|----|----|---------------------|
| S57 | 11247 | 118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.26.ccls. or | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S58 | 8171 | 137/262-264.ccls. or 137/454.2 or 137/560. ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594- 596.ccls. or 137/599.01. ccls. or 137/599.05- 599.07.ccls. or 137/602. ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S59 | 2621 | 141/285-286.ccls. or 141/37.ccls. or 141/44- 47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S60 | 498 | 261/127.ccls. or 261/131. ccls. or 261/146-147. ccls. or 261/150.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S61 | 2655 | 261/19-22.ccls. or 261/23.1.ccls. or 261/40. ccls. or 261/42.ccls. or 261/62-63.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S62 | 7368 | 261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108- 109.ccls. or 261/113. ccls. or 261/114.1.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |

| S63 | 31880 1900 | (118/715.ccls. or 118/50. ccls. or 156/345.29.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560. ccls. or 137/561r.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/599.01. ccls. or 137/599.05-599.07.ccls. or 137/599.01. ccls. or 137/599.05-599.07.ccls. or 137/602. ccls.) or (141/285-286. ccls. or 141/37.ccls. or 141/367. ccls.) or (261/127.ccls. or 261/131.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40. ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/162-63.ccls.) or (261/100-102.ccls. or 261/108-109.ccls. or 261/113. ccls. or 261/113. ccls. or 261/114.1.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | | 2008/02/10 |
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| S64 | 33644 | S56 or S63 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 14:59 |
| S65 | 90 | S64 and (wafer or substrate) and (recycle) and (reactor or chamber or vessel) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 15:01 |

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| S67 | 10 | ("20020034880" | US-PGPUB; | OR | ON | 2008/02/10 |
| | | "4816113" "6110542" | USPAT; USOCR | | | 15:14 |
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| S70 | 31880 | (118/715.ccls. or | US-PGPUB; | OR | ON | 2008/02/10 |
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| | 33644 | S69 or S70 | US-PGPUB; | | | 2008/02/10 |
| S71 | 33044 | 309 OF 370 | \$ | OR | ON | 16:01 |
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| | | | JPO; DERWENT; | | | |
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| S72 | 193 | S71 and (wafer or | US-PGPUB; | OR | ON | 2008/02/10 |
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| | | or vessel) | DERWENT; | | | |
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| S73 | 90 | S71 and (wafer or | US-PGPUB; | OR | ON | 2008/02/10 |
| | | substrate) and (recycle) | USPAT; USOCR; | | | 16:02 |
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| | | or vessel) | DERWENT; | *************************************** | | |
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| S74 | 103 | S72 not S73 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 16:02 |
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| S 75 | 2 | JP-09251981-\$.did. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 16:16 |
| S 76 | 8 | (("6,086,677") or ("5,453,124") or ("3,854,443")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/02/10 16:20 |
| S77 | 154 | S71 and (wafer or substrate) and (foreline) and (reactor or chamber or vessel) not 6-7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 16:27 |
| S 78 | 0 | S71 and (wafer or substrate) and (forline) and (reactor or chamber or vessel) not 6-10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/10 16:27 |
| S 79 | 17 | (wafer or substrate) and (recycle) and (reactor or chamber or vessel) | JPO | OR | ON | 2008/02/10 16:55 |

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